

Prof. Dr.-Ing. Jens Bremer

Professor of Chemical Energy Storage

Career

2008 - 2011 Bachelor's degree in Energy and Process Engineering, Technische Universität Berlin

2011 - 2014 Master's degree in Energy and Process Engineering, Technische Universität Berlin

2013 - 2014 Research stay at Carnegie Mellon University Pittsburgh, USA

2014 - 2022 PhD and post-doc in the Process Engineering Group (Prof. Sundmacher) at the Max Planck Institute Magdeburg

2022 Appointment as Tenure Track Professor for Chemical Energy Storage at the Institute of Chemical and Electrochemical Process Engineering at Clausthal University of Technology

Fields of activity

- Power-to-X
- Multiscale modeling, simulation and optimization of chemical processes and reactors
- Model order reduction and system theory of catalytic reactors
- Flexibilization of exothermic fixed-bed reactors
- Fiber optic real-time temperature measurement techniques in chemical apparatus